

JUN 06 2003

Sheet 1 of 5

Form PTQ-1449
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2879-US
SERIAL NO.
09/835,147

INFORMATION DISCLOSURE CITATION

APPLICANT
Charles Maliszewski et al.FILING DATE
April 13, 2001
GROUP
1644

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
P.H.	5,073,627	12/17/91	Curtis et al.			
1	5,378,601	1/3/95	Gepner-Puszkin			RECEIVED
	5,506,126	4/9/96	Seed et al.			JUN 08 2003
↓	5,798,241	8/25/98	Beaudoin et al			
↓	6,287,837	9/11/01	Beaudoin et al.			TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
P.H.	WO 96/32471	10/17/96	PCT			
1	WO 96/30532	10/3/96	PCT			
	WO 00/23094	4/27/00	PCT			
↓	WO 01/11949	2/22/01	PCT			
↓	EP 0 416 673 A1	3/13/91	EP			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

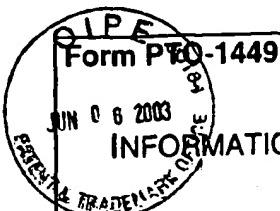
P.H.	Chadwick, B. P. and Frischauf, A., "The CD39-like gene family: identification of three new human members (CD39L2, CD39L3, and CD39L4), their murine homologues, and a member of the gene family from drosophila melanogaster," <i>Genomics, U.S Academic Press, San Diego Vol. 50(3): 357-367, 1998.</i>
1	Choudhri, T. et al., "Reduced microvascular thrombosis and improved outcome in acute murine stroke by inhibiting GP IIb /IIIa receptor-mediated platelet aggregation," <i>J. Clin. Invest. 102(7): 1301-1310, 1998.</i>
	Colman, R. et al., "Inhibition of collagen-induced platelet activation by 5'-p-fluorosulfonylbenzoyl adenosine: evidence for an adenosine diphosphate requirement and synergistic influence of prostaglandin endoperoxides," <i>Blood 68(2): 565-570, 1986.</i>
↓	Connolly, E. et al., "Cerebral protection in homozygous null ICAM-1 mice after middle cerebral artery occlusion," <i>J. Clin Invest 97(1): 209-216, 1996.</i>

EXAMINER

DATE CONSIDERED

3/14/05

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PJK	Connolly, E. et al., "Procedural and strain-related variables significantly affect outcome in a murine model of focal cerebral ischemia," <i>Neurosurgery</i> 38(3): 523-532, 1996.
	Cullen, B., "Expression of a cloned human interleukin -2 cDNA is enhanced by the substitution of a heterologous mRNA leader region," <i>DNA</i> 7(9): 645-650, 1988.
	Gayle, R., et al., "Inhibition of platelet function by recombinant soluble ecto-ADPase/CD39," <i>J. Clin. Invest.</i> 101(9): 1851-1859, 1998. <i>May</i>
	Handa, M. and Guidotti, G., "Purification and cloning of a soluble ATP-diphosphohydrolase (Apyrase) from potato tubers (<i>Solanum tuberosum</i>)," <i>Biochem. Biophys. Res. Comm.</i> 218: 916-923, 1996.
✓	Kaczmarek, E. et al., "Identification and characterization of CD39/vascular ATP diphosphohydrolase," <i>J. Biol. Chem.</i> 271(51): 33116-33122, 1996.

EXAMINER	DATE CONSIDERED
PDN/J	3/14/05

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<p>Form PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE CITATION</p> <p><i>(Use several sheets if necessary)</i></p>	<p>ATTY. DOCKET NO. 2879-US</p> <p>APPLICANT Charles Maliszewski et al.</p> <p>FILING DATE April 13, 2001</p>	<p>SERIAL NO. 09/835,147</p> <p>GROUP 1644</p>
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FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

<i>PNK</i>	Marcus, A. et al., "Inhibition of platelet function by an aspirin-insensitive endothelial cell ADPase," <i>J. Clin. Invest.</i> 88: 1690-1696, 1991.
	Mulero, J. et al., "CD39-L4 is a secreted human apyrase, specific for the hydrolysis of nucleoside diphosphates," <i>J. Biol. Chem.</i> 274(29): 20064-20067, 1999.
	Plesner, L., "Ecto-ATPases: Identities and functions," <i>Int. Rev. Cytol.</i> 158: 141-214, 1995.
	Rector, E. et al., "Detection and characterization of monoclonal antibodies specific to IgE receptors on human lymphocytes by flow cytometry," <i>Immunology</i> 55: 481-488, 1985.
	Ronaghi, M. et al., "A sequencing method based on real-time pyrophosphate," <i>Science</i> 281: 363-365, 1998.
<i>↓</i>	Schoenborn, M. et al., "Gene structure and chromosome location of mouse Cd39 coding for an ecto-apyrase," <i>Cytogenet Cell Genet</i> 81: 287-289, 1998.

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O I P E Form PTO-9449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 2879-US	SERIAL NO. 09/835,147
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OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

PNA		<p>Sevigny, J. et al., "Purification of the blood vessel ATP diphosphohydrolase, identification and localisation by immunological techniques," <i>Biochim. Biophys. Acta</i> 1334: 73-88, 1997.</p>
		<p>Sevigny, J. et al., "Purification of pancreas type-I ATP diphosphohydrolase and identification by affinity labelling with the 5'-p-fluorosulphonylbenzoyladenosine ATP analogue," <i>Biochem J.</i> 312: 351-356, 1995.</p>
		<p>Wang, T., and Guidotti, G., "Cd39 is an ecto-(Ca²⁺,Mg²⁺)-apyrase," <i>J. Biol. Chem</i> 271(17): 9898-9901, 1996.</p>
↓		<p>Wang, T., et al., "The transmembrane domains of ectoapyrase (CD39) affect its enzymatic activity and quaternary structure," <i>J. Biol. Chem.</i> 273(38): 24814-24821, 1998.</p>

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